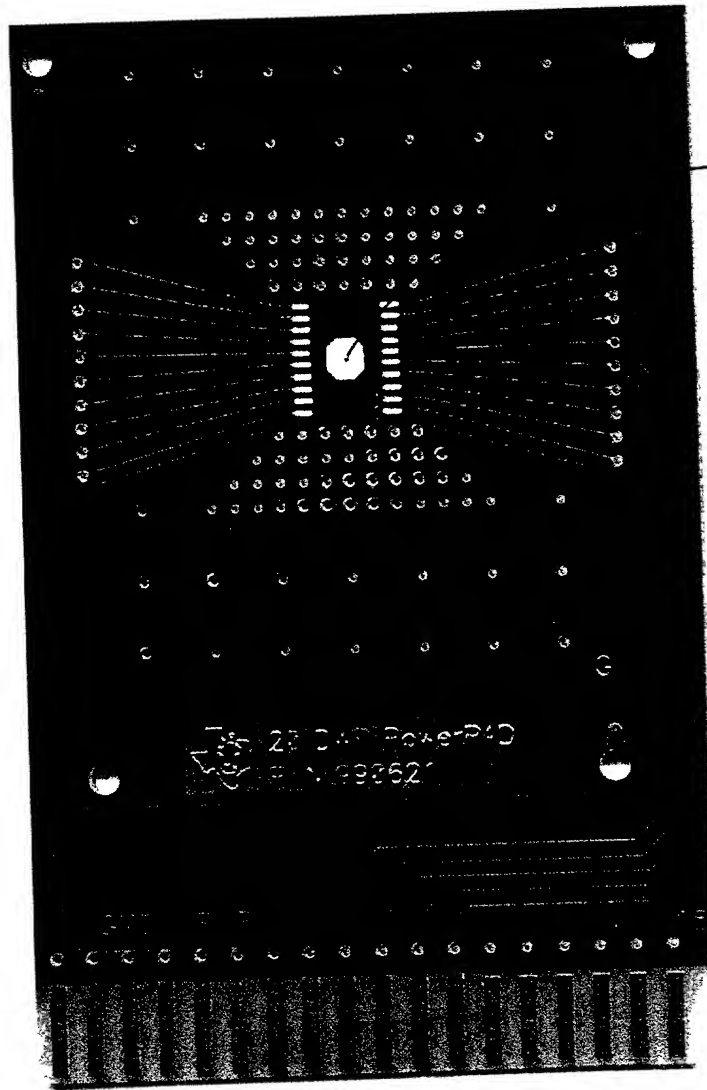


20250929001 10066246 013402

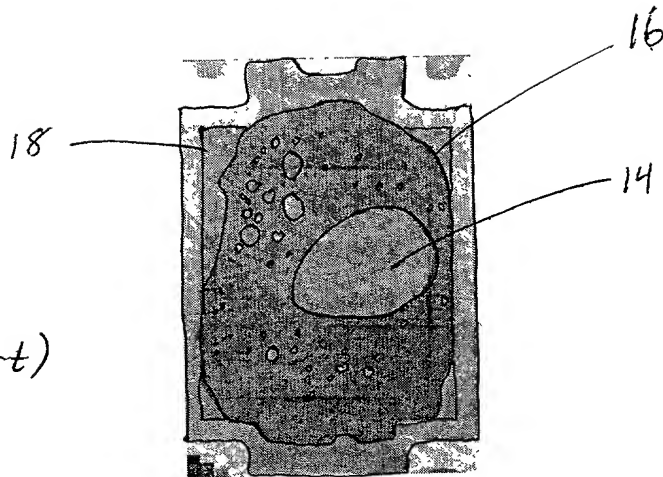
FIGURE 1
(prior art)

102



12

FIGURE 2
(prior art)



10066246.013103

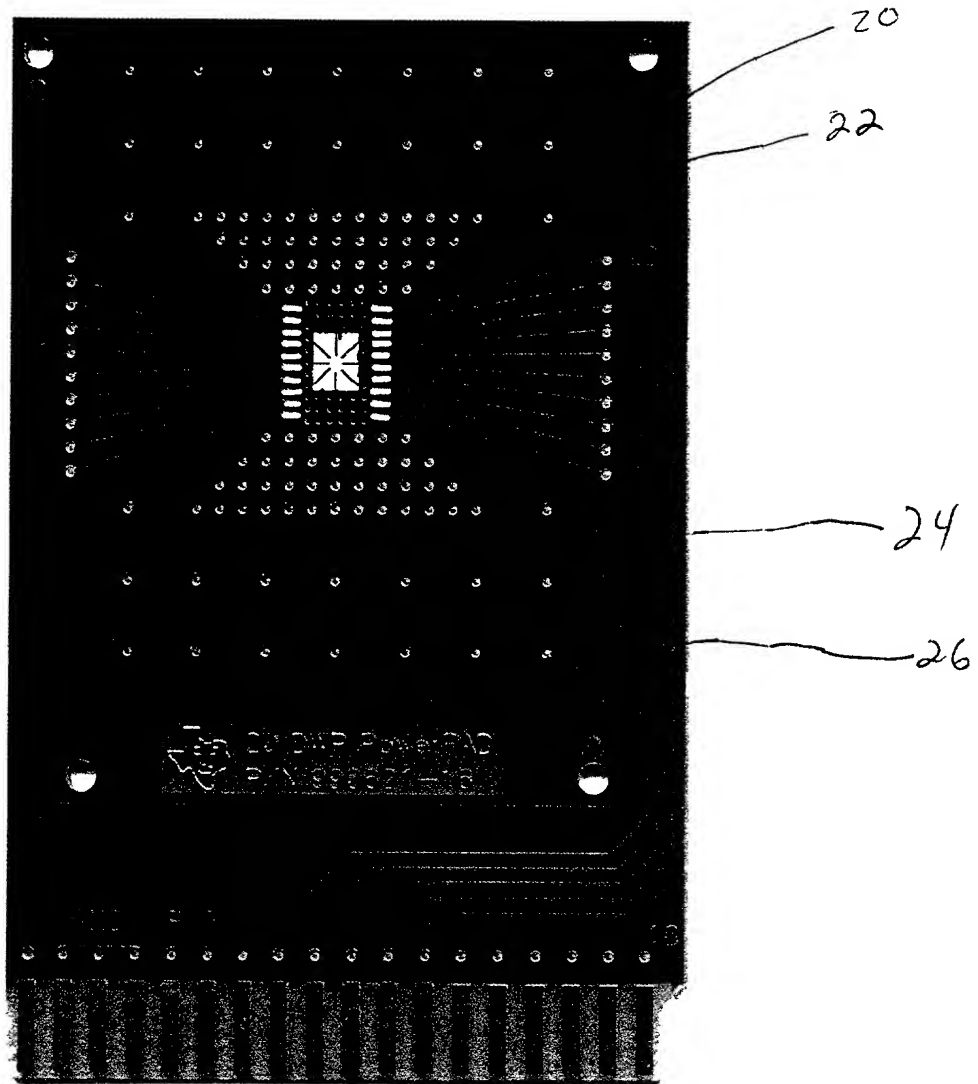
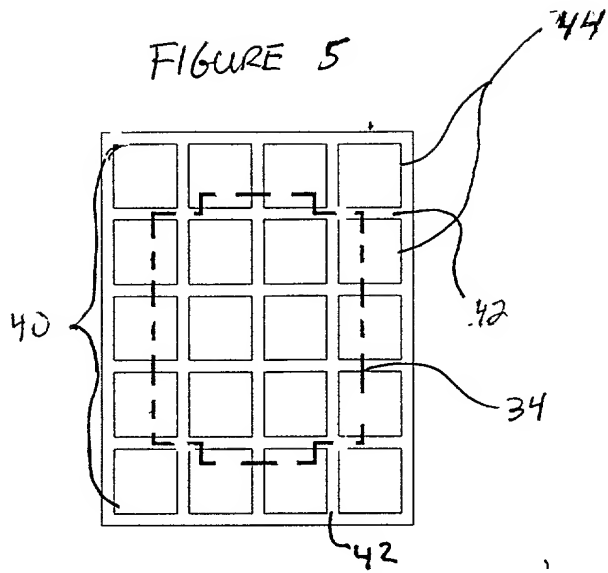


FIGURE 3

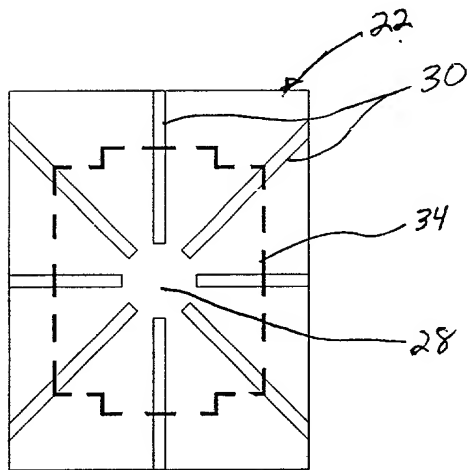
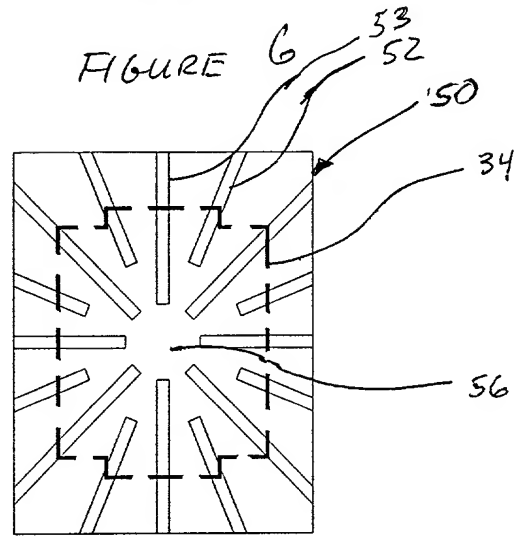
3x4 LATTICE

FIGURE 5



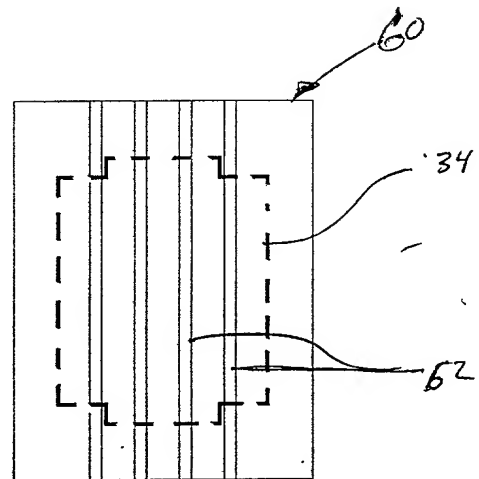
16 RADIAL LINES

FIGURE 6



8 RADIAL LINES

FIGURE 4



4 Vertical LINES

FIGURE 7

10066249.013103

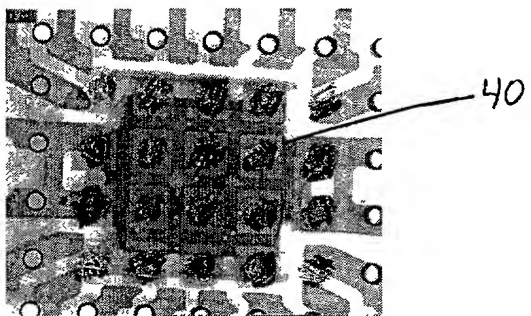


FIGURE 9

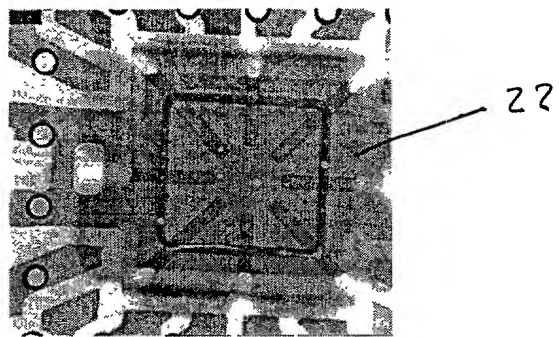


FIGURE 8

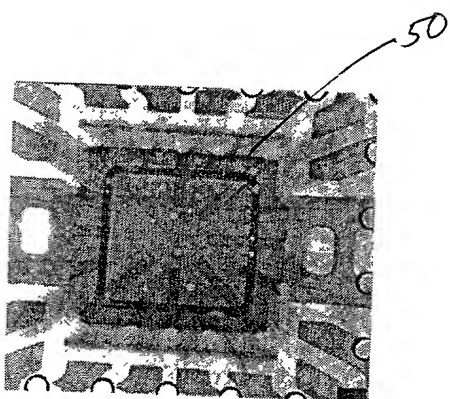


FIGURE 10

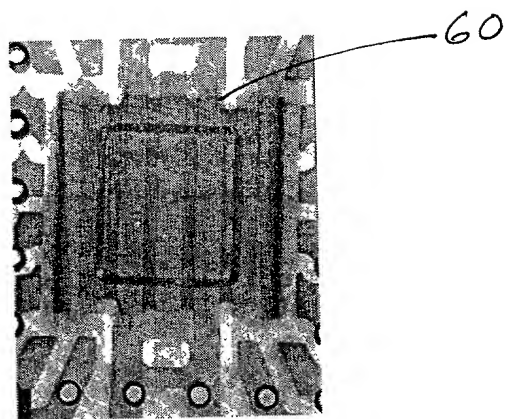


FIGURE 11

2025-01-01 10:00:00

Solder Plated 20DWP Theta JA for Various PCB Pad Design

Theta JA (°C/W)

Unit

Legend:

- Plugged Via Squares 3x4 Lines
- 16 Radial Lines
- 8 Radial Lines
- 4 Vertical Lines

Unit	Plugged Via Squares 3x4 Lines	16 Radial Lines	8 Radial Lines	4 Vertical Lines
1	28	26	23	22
2	27	25	22	22
3	29	28	22	22
4	26	26	22	22

Handwritten annotations on the graph:

- 72 (Unit 1, Plugged Via Squares 3x4 Lines)
- 74 (Unit 2, Plugged Via Squares 3x4 Lines)
- 70 (Unit 1, 16 Radial Lines)
- 76 (Unit 2, 16 Radial Lines)

FIGURE 12

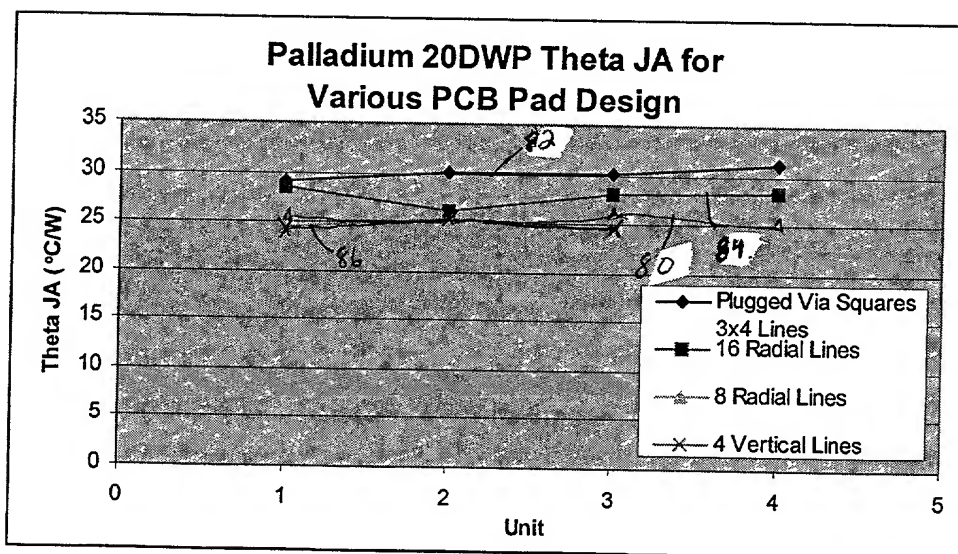


FIGURE 13

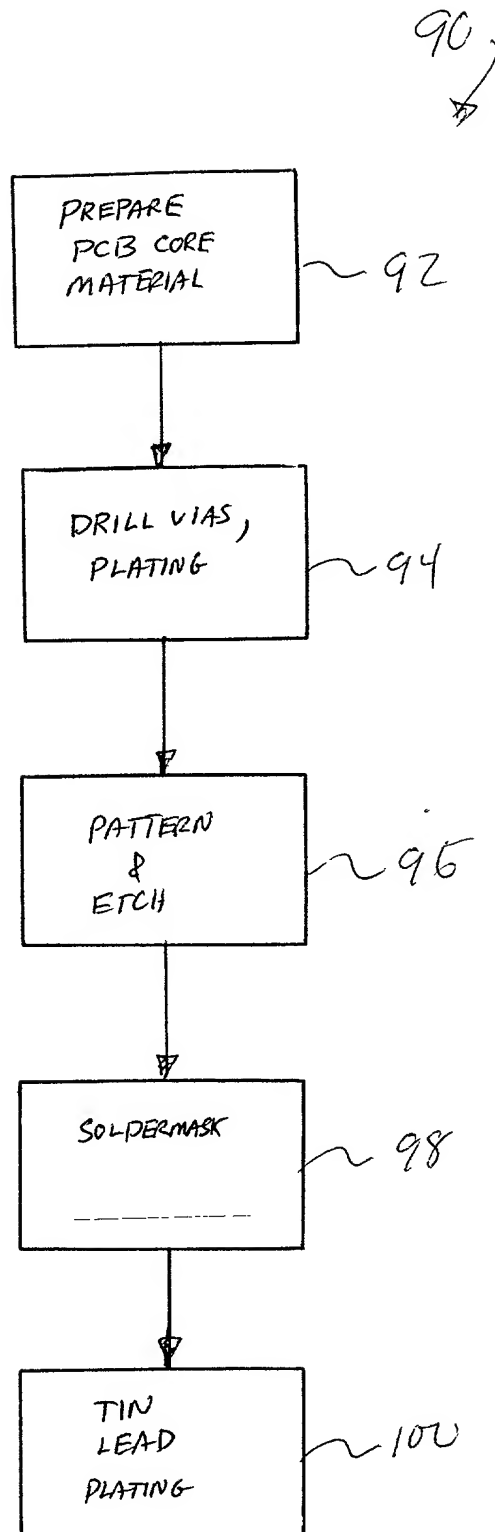


FIGURE 14.